

Orchard Hideout Portfolio

For this year in math, we were introduced to a unit talking about an orchard that was planted in a circular motion in order to find the last lines of sight in or out of the orchard. In solving this problem we practiced finding distances between points, pythagorean theorem, finding midpoints, finding the volume of a cylinder and other important things to help us answer the overall question. We did a few POWs about distances from points to lines to help us practice valuable information to help answer our over all question for the orchard hideout unit. The items I'm about to show you are all corresponded to the overall problem this unit presented. The first item is work I did from page 118-119. These problems gave us the answers to how soon after they planted the orchard that the center of the lot would become a true orchard hideout and how long it would take for a particular line of sight to be blocked. You will then see my work from page 114. When finishing this page it gave information on how big the tree trunks must become in order to block this line of sight. This will help us to make sure that we don't grow them too big. As for the other work I will be exhibiting I will explain to you why I chose the pieces I did.



As a result of the end of this unit I feel as though I have widened my knowledge on a lot of aspects involving circles and graphs. I learned more formulas such as, distance formula, finding the circumference of a circle. I also learned things I had forgotten about, such as diameter and radius as well as volume and how to find each one of them using formulas. I got more clarification of the overall problem and how to solve it as we went through the unit. I feel as though this unit has taught and helped me to remember certain things I forgot which I feel will help me in the near future. I feel pretty confident in all of the work I did this for this unit and although I didn't quite understand everything we did, I feel as though I have a pretty clear overall view on what we learned about during this unit.

